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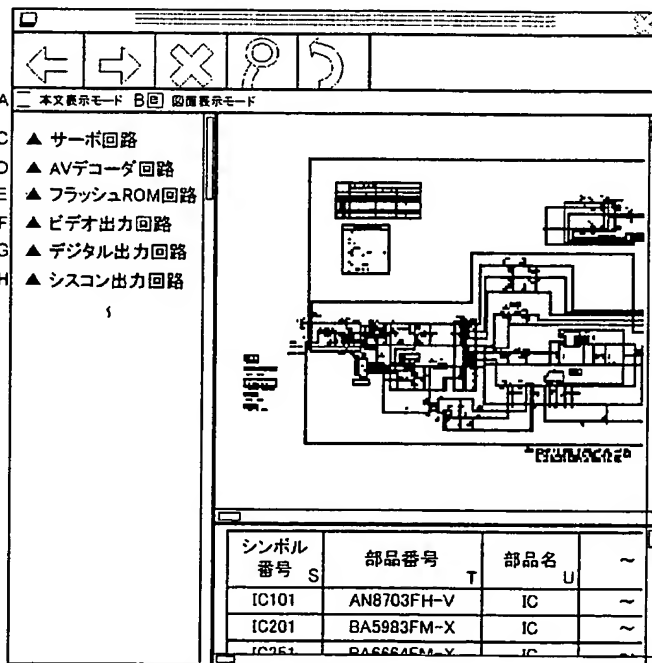
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- (51) 国際特許分類<sup>7</sup>: G06F 17/30, 17/60 (72) 発明者: および  
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[続葉有]

(54) Title: ELECTRONIC SERVICE MANUAL DISPLAY CONTROL DEVICE

(54) 発明の名称: 電子化サービスマニュアル表示制御装置



A...TEXTUAL INFORMATION DISPLAY MODE  
B...DRAWING DISPLAY MODE  
C...SERVO CIRCUIT  
D...AV DECODER CIRCUIT  
E...FLASH ROM CIRCUIT  
F...VIDEO OUTPUT CIRCUIT  
G...DIGITAL OUTPUT CIRCUIT  
H...SYSTEM COMPONENT OUTPUT CIRCUIT  
S...SYMBOL NUMBER  
T...COMPONENT NUMBER  
U...COMPONENT NAME

(57) Abstract: A technique is disclosed wherein information searchability and the like are excellent; relationship between a drawing, such as a substrate or circuit drawing, and the components included in the drawing can be clearly expressed; and the effort required for making an electronic service manual can be reduced. According to this technique, on a display device, a content table page is displayed in a content table page display area (a left-hand frame), while a component table page is displayed in a component table page display area (a lower right-hand frame). When a drawing item displayed in the content table page display area is selected, the substrate or circuit drawing corresponding to the selected drawing item is displayed in a drawing display area (an upper right-hand frame). When a graphic element in the substrate or circuit drawing displayed in the drawing display area is selected, the component item corresponding to the selected graphic element is displayed in the component table page display area. When a component item displayed in the component table page display area is selected, the substrate or circuit drawing including the selected component item is displayed in the drawing display area.

(57) 要約: 情報の検索性などに優れ、基板図や回路図などの図面とその図面内に含まれる部品との関連性が明確に表現でき、さらに、電子化サービスマニュアル製作の労力を軽減させる技術が開示され、その技術によれば、ディスプレイ上において、目次ページ表示領域(左側のフレーム)内に目次ページを表示し、部品表ページ表示領域(右側フレームの下部)内に部品表ページを表示する。そして、目次ページ表示領域内に表示されている図面項目が選択された場合には、選択

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SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US,  
UZ, VC, VN, YU, ZA, ZM, ZW.

BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,  
TD, TG).

- (84) 指定国 (表示のない限り、全ての種類の広域保護が可能): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), ユーラシア (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), ヨーロッパ (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF,

添付公開 類:

— 国際調査報告書

2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/006834

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> G06F17/30, 17/50, 17/60

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> G06F17/30, 17/50, 17/60, 12/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2004
Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

JICST FILE (JOIS), WPI, INSPEC (DIALOG)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 11-149494 A (Fujitsu Ltd.), 02 June, 1999 (02.06.99), Par. Nos. [0017] to [0056]; Fig. 1 (Family: none)	1-24
A	JP 08-016640 A (Fujitsu Ltd.), 19 January, 1996 (19.01.96), Par. Nos. [0040] to [0138]; Fig. 1 (Family: none)	1-24
X	JP 09-006194 A (Ricoh Co., Ltd.), 10 January, 1997 (10.01.97), Par. Nos. [0079] to [0081]; Figs. 7, 8 (Family: none)	13-24

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search  
10 June, 2004 (10.06.04)Date of mailing of the international search report  
29 June, 2004 (29.06.04)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/006834

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 10-111863 A (Denso Corp.), 28 April, 1998 (28.04.98), Par. No. [0063]; Fig. 6 (Family: none)	13-24